

news +++ ISH China & CIHE

China International Exhibition Center (Shunyi Hall), Beijing, China 11 – 13 May, 2024



## ISH China & CIHE to feature advanced energy storage technologies in line with national policy initiatives

**Beijing, 26 February 2024. In recent years, China has enacted a number of policies promoting the construction of sustainable, energy-efficient buildings. These measures, coupled with growing public concern for energy conservation and environmental care, have opened up new opportunities in China’s HVAC industry. As a result, energy-saving technologies are increasingly being embedded into mainstream products, with these products steadily capturing an increasing share of the market. In alignment with these trends, ISH China & CIHE - China International Trade Fair for Heating, Ventilation, Air-Conditioning, Sanitation & Home Comfort System will take place from 11 – 13 May 2024 at the China International Exhibition Center (Shunyi Hall) in Beijing. The event will showcase the latest energy storage and energy-saving boiler technologies in support of the construction industry’s push towards low-carbon development.**

The pursuit of China’s dual carbon objectives has prompted the construction industry to intensify its focus on low-carbon building solutions. Concurrently, the government has been proactive in stimulating the development of new energy storage, recognising the fundamental role of these technologies in achieving a zero-carbon future.

### **Intensified government support for new energy storage technologies**

On 25 January 2024, China’s primary energy regulatory body released a report emphasising that government-backed initiatives had led to a successful diversification of the nation’s new energy storage technologies. This is a central strategy in the country’s efforts to establish a new energy system, and is a key lever in the transition toward low-carbon energy production and consumption model.<sup>1</sup> Meanwhile, a second report issued in collaboration with the National Development and Reform Commission, China’s central economic planning agency, sets forth a strategy to enhance energy storage capabilities within power generation facilities, across the grid, and at the point of consumption, with the goal of ensuring system-wide flexibility.<sup>2</sup>

### **Showcasing new energy storage products and technologies**

To align with national energy goals, several Chinese government agencies have crafted a unified action plan focused on expanding solar photovoltaic power generation, energy

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<sup>1</sup> " Transcript of the press conference of the National Energy Administration in the first quarter of 2024" National Energy Administration, The People’s Republic of China, 25 January 2024 <https://qr.messefrankfurt.com/q9d54> (Retrieved February 2024)

<sup>2</sup> " Implementation Plan for New Energy Storage Development during the 14<sup>th</sup> Five-Year Plan" National Development and Reform Commission, The People’s Republic of China, 25 January 2024 <https://qr.messefrankfurt.com/Ef289> (Retrieved February 2024)

storage, direct current and flexible power consumption, an approach collectively referred to as PEDF.<sup>3</sup>

ISH China & CIHE will address the industry's long-term needs by spotlighting the latest innovations in energy storage technologies. The exhibition will bring together leading companies and specialists in the field to share knowledge, and showcase their latest products and advancements, including photovoltaic heat pump systems, thermal storage boilers and heat pumps, as well as heat storage systems and other related technologies and equipment, which all focus on incorporating PEDF within low energy consumption buildings.

In addition, the event will adopt the "2023-2024 China Thermal Energy Storage Development Report", co-published by the China Construction Metal Structure Association, as a foundational document to help guide discussions and shape a collaborative platform for energy and heat storage technology exchange.

### **Transforming heating supplies and advancing boiler efficiency**

While China has made notable progress in improving its heating supply infrastructure, the heating and cooling of buildings remains a significant contributor to the country's aggregate carbon emissions. Addressing this, the Chinese government has incentivised the HVAC industry to further develop sustainable heating and cooling technologies. In December 2023, the State Council advocated for an intensified push toward low-carbon energy solutions, stressing the importance of clean energy and centralised heating systems, as well as tightened controls on the usage of scattered coal, coal-fired boilers, and industrial furnaces.<sup>4</sup>

In line with these efforts, ISH China & CIHE 2024 will continue to assist the industry in exploring a wide range of pollution control solutions. With the support of the China District Heating Association (CDHA), the event will once again feature a specialised Clean Energy District Heating Area in Hall W3 to connect businesses within the clean heating sector, showcasing the most advanced centralised heating instruments, smart heating systems, heating controllers and other products that facilitate the development of clean urban heating. The exhibition will also host a number of concurrent fringe events and forums aimed at elevating China's district heating sector into new standards of sustainability and efficiency.

ISH China & CIHE aligns with the industry's latest developmental needs and national policy directions, while also reflecting international energy development trends. The event will promote the integration of traditional heating devices, such as boilers, with new heating technologies including hydrogen and solar energy to advance sustainable development and energise the market. In collaboration with key industry stakeholders, ISH China & CIHE aspires to guide China's HVAC industry into a cleaner, more comfortable, innovative and diverse era.

ISH China & CIHE is organised by Messe Frankfurt (Shanghai) Co Ltd and CIEC GL events (Beijing) International Exhibition Co Ltd. It is headed by the biennial ISH event in

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<sup>3</sup> " The Ministry of Industry and Information Technology, The Ministry of Housing and Urban-Rural Development and others jointly issued the "Smart Photovoltaic Industry Innovation and Development Action Plan (2021-2025)", National Energy Administration, The People's Republic of China, 31 December 2021 <https://qr.messefrankfurt.com/5baa1> (Retrieved February 2024)

<sup>4</sup> "Comprehensively promote the systematic deployment of building a beautiful China", National Development and Reform Commission, The People's Republic of China, 5 January 2024 <https://qr.messefrankfurt.com/5baa1> (Retrieved February 2024)

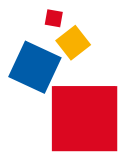
Frankfurt, Germany, the world's leading trade fair for HVAC + Water which will next take place from 13 – 17 March 2025. For more information, please visit [www.ish.messefrankfurt.com](http://www.ish.messefrankfurt.com).

For more information about ISH China & CIHE and, a further ISH event in China, ISH Shanghai & CIHE - Shanghai International Trade Fair for Heating, Ventilation, Air-conditioning & Home Comfort System, please visit [www.ishc-cihe.hk.messefrankfurt.com](http://www.ishc-cihe.hk.messefrankfurt.com).

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**Press information and photographic material:**

<https://ishc-cihe.hk.messefrankfurt.com/beijing/en/press.html>



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**Background information on Messe Frankfurt**

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For more information, please visit our website at: [www.messefrankfurt.com/sustainability](http://www.messefrankfurt.com/sustainability)

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\* Preliminary figures for 2023